1. (Amended) A method of growing animal cells in fed batch cell culture comprising [the steps of] culturing the cells at a starting osmolality of about 280-330 mOsm [and controlling the glucose concentration in the cell culture to be] in the presence of glucose controlled throughout the culturing to be at a concentration between about [0.01] 0.02 and about [1] 0.2 g/L [throughout the culturing.] , inclusive, by adding glucose to the cell culture as required to maintain said glucose concentration and thereby controlling osmolality of the cell culture.

Please add the following claims:

--20. The method of Claim 1 wherein the culture medium contains excess amino acids.

21. The method of Claim 1 wherein the initial cell seed density is between about 3×10^5 and about 1.5×10^6 cells/mL.

22. The method of Claim 1 wherein the cells are mammalian cells.

23. The method of Claim 22 wherein the cells are Chinese Hamster Ovary (CHO) cells.

24. The method of Claim 22 wherein the mammalian cells comprise a nucleic acid encoding a polypeptide.

25. The method of Claim 1 wherein the glucose control comprises flow injection analysis (FIA).--

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